Remarks and Arguments

Applicants have carefully considered the Office Action dated February 6, 2004 and the references cited therein. Applicants respectfully request reexamination and reconsideration of the application.

Claim 17 has been objected to because the phrase, "each user-selectable regions," which is recited in the claim, is grammatically incorrect. Applicants have now amended claim 17 to recite "each of the user-selectable regions." In addition, claims 3, 10, 12-14 and 19 stand rejected under 35 U.S.C. Section 112, second paragraph, for various minor informalities. Where still applicable, applicants have amended these claims in a manner which is believed to overcome such rejections. The above amendments have not been made to distinguish over any reference of record and no narrowing of any corresponding equivalents to which the amended limitation(s) or claim(s) is/are entitled is intended by these amendments.

The applicants and their attorney wish to thank the Examiner for highlighting the relevant sections within the copies of the cited references supplied with the office action.

Regarding claims 1-9, claims 1, 2 and 6 stand rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,449,653, Klemets et al., hereafter referred to as "Klemets". In addition, claims 3-5 and 7-8 stand rejected under 35 U.S.C. Section 103(a) as being unpatentable over Klemets, and U.S. Patent No. 6,278,446, Liou et al., "Liou". In setting forth the rejection, the Examiner has admitted that Klemets does not explicitly teach that the table of contents is displayed in a hierarchical arrangement, as is recited in claims 3 and 7, or that a position icon is generated and that the hierarchical arrangement of the table of contents is traversed in correspondence with the presentation of the audio/video data, as is expressed in each of claims 4 and 8.

Applicants have amended claim 4 to include all of the limitations of claims 2-3. Applicants have canceled claim 2-3, without prejudice. Claim 4 now recites a method comprising "extracting outline data representing a plurality of data segments within the presentation, the data segments *arranged in a hierarchical relation* and linked to respective segments of the presentation" and "presenting the outline data *in a hierarchical arrangement on the display* simultaneously with the presentation of the content data" (claim 4, lines 7-11). In the light of the Examiner's explicit admissions as

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to the deficiencies of Klemets, applicants respectfully assert that claim 4 is not anticipated by Klemets. In addition, claim 4 recites the original limitation of "generating a position icon and *traversing the hierarchical arrangement of outline data in correspondence with presentation of the content data*" (claim 4, lines 12-13). The present invention discloses a method and system in which a single position icon moves relative to the hierarchical arrangement outline in synchronization with presentation of the content data, so that the viewer may, at any given instant, associate the current content data presentation with a dynamically changing location in the table of contents. This aspect of the invention is describing greater detail in the subject specification (page 18, lines 23-29; Figure 6). In other words, the location of pointer icon dynamically moves along the table of contents outline as the presentation data is streamed. The examiner has not shown where Liou teaches, discloses or suggests dynamically traversing in real-time a table of contents outline in correspondence with the presentation of the audio/video content. The sections of Liou cited by the Examiner disclose a video table of contents *with static icons* that can be used as an interface to edit or rearrange the nodes representing the tree structure. Liou specifically states:

> The tree view interface includes operations for moving, adding, deleting, and updating nodes. These operations facilitate changes in the tree structure. These operations are also provided when the tree view interface is used for editing the shot groups.

(Liou, col. 14, lines 1-6)

Such editing operations are disclosing greater detail in the reference (Liou, col. 14, lines 7 through col. 15, lines 47). Liou does not disclose teach or suggest, however, an icon the position of which dynamically traverses a hierarchically he arranged table of contents structure in synchronization with presentation of audio and/or video data in a displayed portion of the user interface. Accordingly, applicants respectfully assert that claim 4 is patentable over the teachings of Klemets and Liou, whether considered singularly or in combinations. Claim 5 includes all the limitations of claim 4 and is likewise believed patentable for at least the same reasons as claim 4 as well as for the merits of its own respective limitations.

In a similar manner, claim 8 has been amended to include the limitations of claims 6 and 7 (claim 8, lines 9-14). Claims 6 and 7 have been canceled, without prejudice . Accordingly, applicants respectfully assert that claim 8 is patentable over the teachings of Klemets and Liou, whether considered singularly or in combinations, for at least the same reasons as claim 4, as well as for the merits of its own respective limitations. Claim 9 includes all the limitations of claim 8 and is likewise believed patentable for at least the same reasons as claim 8 as well as for the merits of its own respective limitations.

Claim 1 has been amended to recite limitations similar to that of claims 4 and 8 (claim 1, lines 12-13) and is likewise believed allowable for at least the same reasons as claims 4 and 8, as well as for the merits of its own respective limitations.

Claims 10-15 stand rejected under 35 U.S.C. 102(e) as being anticipated by Klemets. In the client /server computer system disclosed in Klemets the client process accesses all of the audio/video and annotations streamed data from a file on the server portion of the system. As such, the data accessed by any links within the presentation data stream are to data within the same data source and the same client /server system. Conversely, the presentation flow of the inventive discourse system includes multiple main content streams from which links to external data sources, outside the data storage the discourse system, may be directly made. As illustrated, with reference to Figure 7 of the subject application, two main content streams 700 and 702 provide the presentation content. Links to other segments within each stream are possible utilizing the user interface presented by the discourse player 225. In addition, utilizing the linking data *from the data track, links to data sources external to discourse system 200, may be established during the presentation*. Such external links will pause the presentation temporarily and return the viewer to the presentation when the external link is terminated. Claim 10 now recites a method including " extracting linking data representing at least one link to data other than the presented content data associated therewith, the linking data linked to a data source external to the computer system" (claim 10, lines 6-8). Claims 12-13 have been canceled, without prejudice. The examiner has not shown where Klemets teaches, discloses or suggests linking data linked to a data source external to the computer system. Applicants respectfully assert

that claim 10 is not anticipated by Klemets. Applicants further respectfully assert that claim 10 is patentable over the teachings of Klemets and or any other art of record, whether considered singularly or in combinations. Claim 11 includes all the limitations of claim 10 and is likewise believed patentable for at least the same reasons as claim 10 as well as for the merits of its own respective limitations.

Claim 14 is the computer program product counterpart of claim 10 and has been amended to similarly recite "program code for extracting linking data representing at least one link to data other than the presented content data associated therewith, the linking data linked to a data source external to the computer system" (claim 14, lines 8-10). Claim 15 has been similarly amended (claim 15, lines 6-9). For the reasons set forth above with respect to claim 10, Applicants respectfully assert that claims 14 and 15 are not anticipated by Klemets, and are further patentable over the teachings of Klemets and or any other art of record, whether considered singularly or in combinations.

Claims 16 and 21 stand rejected under 35 U.S.C. 102(e) as being anticipated by Klemets. Claim 21 has been canceled, without prejudice. Regarding claim 16, in accordance with the subject application, users can select 'hotspots' within the area of a presentation window. These hotspots can be linked to any discourse feature, including navigating through the material, controlling visibility of windows, or launching external resources. Claim 16 has been amended and now recites a method including "presenting the user selectable options superimposed over the presentation" (claim 16, lines 10-11). In the light of the Examiner's explicit admissions as to the deficiencies of Klemets, applicants respectfully assert that claim 16 is not anticipated by Klemets. In addition, claim 16 has been amended to recite "user-selectable region associated with a command, the command capable of accessing a data source external to the computer system" (claim 16, lines 8-9). The examiner has not shown where either Klemets or Efrat teaches, discloses or suggests user selectable options superimposed over the presentation which have associated therewith if a command capable of accessing a data source external to the computer system, as now recited in claim 16. Accordingly, Applicants respectfully assert that claim 16 is patentable over the teachings of Klemets and Efrat or any other art of record, whether considered singularly or in combinations.

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Claims 17-19 includes all the limitations of claim 16 and are likewise believed patentable for at least the same reasons as claim 16 as well as for the merits of its own respective limitations.
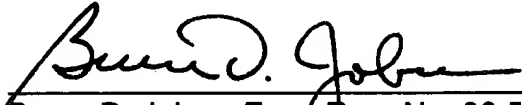
Claim 20 stands rejected under 35 U.S.C. Section 103(a) as being unpatentable over the U.S. patent of Klemets and U.S. Patent No. 6,570,587, Efrat et al. hereafter "Efrat". In setting forth the rejection of claim 20, the examiner explicitly admits that Klemets, does not explicitly teach superimposing such options for manipulating the presentation over the audio/video presentation, as is expressed in claim 20. Instead, the Examiner is relying on Efrat, alleging that Efrat teaches extracting user-selectable options from a video stream, and then superimposing these user-selectable options over the displayed video, the user-selectable options selectable to navigate to targets, such as other segments of the video, other videos, or HTML files. Claim 20 has been amended similarly to claim 16 (claim 20, lines 10-12). For the reasons set forth above with respect to claim 16, as well as for the merits of its own respective limitations, Applicants respectfully assert that claim 20 is patentable over the teachings of Klemets and Efrat or any other art of record, whether considered singularly or in combinations.

The amendments to the claims as set forth herein, including the addition or cancellation of any claims, have been offered to advance this application to issue. None of the amendments made herein should be construed as an admission that the subject matter of the claims, as originally filed, is anticipated by or made obvious in light of any art of record whether considered singularly or in combinations. Applicant expressly reserves the right to pursue the originally filed claims in another co-pending application without being prejudiced by any amendments, including cancellation of claims, made herein.

Applicants believe the claims are in allowable condition. A notice of allowance for this application is solicited earnestly. If the Examiner has any further questions regarding this amendment, he/she is invited to call Applicant's attorney at the number

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listed below. The Examiner is hereby authorized to charge any fees or credit any balances under 37 CFR §1.17, and 1.16 to Deposit Account No. 02-3038.

Respectfully submitted,

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